

JAILS AND DETENTION CHECKLIST – 06J

OCCUPANCY-SPECIFIC FIRE SAFETY FEATURES

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ITEM #	SAFETY FEATURE	REFERENCE	DESCRIPTION
APPLICABLE STATUTES AND REGULATIONS			
INFO	Detention defined	K.S.A. 31-148 K.S.A. 75-5228(a) 91-101/15-1.1.4 91-101/15-1.1.3 <u>UBC 308.1</u>	Detention and correctional occupancies provide sleeping facilities for persons who are generally prevented from taking self-preservation action because of security measures not under the occupant's control, including the following: adult correctional institutions, juvenile detention facilities and jails. This definition does not address lockups or holding cells with 3 or less occupants.
INFO	Existing facilities	K.S.A. 31-133(c)	The rules and regulations adopted pursuant to this section shall allow facilities in service prior to the effective date of such rules and regulations, and not in strict conformity, therewith, to continue in service, so long as such facilities are not determined by the state fire marshal to constitute a distinct and clear hazard to life or property. See appeal provisions of K.S.A. 31-140 and amendments. (ENDSS checklist items attached are considered minimum safety features within a building.)
INFO	Authority to inspect	K.S.A. 31-148 K.S.A. 31-133(a)(10)	The state fire marshal at least annually shall inspect all buildings under the jurisdiction of the state penal director and the division of institutional management of the department of social welfare. Local and county detention facilities.
INFO	Total concept	91-101/15-1.1.5 <u>UBC 308.2.2.2</u> <u>UBC 308.9</u> <u>UBC 308.10</u> <u>UFC 1303.3.4.2.1</u> <u>UFC 1303.3.4.4.1</u>	All detention and correctional facilities shall be so designed, constructed, maintained, and operated as to minimize the possibility of a fire emergency. Fire safety features shall be composed of the following: 1. Proper design, construction, and compartmentation, and 2. Provision for detection, alarm, and extinguishment, and 3. All security personnel shall have fire prevention training and drilling in programs for isolation of fire and transfer of occupants to areas of refuge or evacuation of the building, or protection of the occupants in place, and 4. Provision of security to the degree necessary for the safety of the public and the occupants of the facility.

JAILS AND DETENTION CHECKLIST – 06J

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INFO	Tier defined	91-101/15-3.1.2 <u>UBC Appendix Chap. 3</u> <u>Section 315</u> <u>Section 316</u> <u>Section 317</u>	A tier is a level of residential housing. A maximum of 3 vertical tiers are allowed to open into a common exit atmosphere such as a dayroom where either: 1. the entire normally occupied area is open and unobstructed so that conditions within cells are readily apparent to supervisory personnel; or 2. the entire common exit atmosphere is provided with a smoke control system.
BUILDING – EXITING REQUIREMENTS			
J01	Egress reliability	91-101/15-2.7.1 (Fenced yard) <u>UBC Appendix chap. 3</u> <u>Section 325</u>	Exits shall be permitted to discharge into a fenced or walled courtyard, provided not more than two walls are of exited building. Enclosed yards shall hold all occupants at a minimum of 50 ft. from building and shall allow 15 square feet per occupant or previously approved and documented in writing by the KSFMO.
BUILDING – NOTIFICATION REQUIREMENTS			
J02	Fire alarm system	91-101/31-1.3 <u>UFC 1007.2.7.2.1</u>	A fire alarm system is required in all detention buildings. EXCEPTION: 1. When a detention officer station or dispatcher station has direct visual observation of exit ways from all cells, or 2. In facilities with less than 10 residents monitored by a combination of closed circuit TV, intercom, and radio-equipped staff available 24 hours per day to implement emergency procedures. See Fire Fact 031
J03	24-hour staffing	91-101/31-5.1.1 <u>UFC 1303.3.4.4.1</u>	Emergency procedures shall include 24-hour staffing provided on site.
J04	Emergency procedure initiation	91-101/31-5.1 <u>UFC 1303.3.4.4.1</u>	Emergency procedures shall be initiated within 2 minutes of notification.
J05	Communications	91-101/31-5.1.2 <u>UFC 1303.3.4.4.2</u>	Residents shall be capable of notifying staff of an emergency. This may be by intercom.
J06	Written plan	91-101/31-5.1.3 <u>UFC 1303.3.4.4.1</u>	Emergency procedures shall include a written plan for all persons in the event of fire and for their evacuation to areas of refuge and for evacuation from the building. Employees shall be drilled with respect to their duties. See Fire Facts 005, 029

JAILS AND DETENTION CHECKLIST – 06J

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J07	Fire suppression equipment training	91-101/31-5.1.4 <u>UFC 1303.3.4.4.1</u>	Emergency procedures shall include annual instructions in the proper use of manual fire suppression equipment. This training shall be documented. See Fire Fact 005, 006, 007, 044
J08	Keys identification	91-101/31-5.5 <u>UFC 1303.3</u>	Keys to unlock doors in exit paths shall be individually identified by sight/touch BY STAFF and available on site at all times.

BUILDING – SEPARATION/SUPPRESSION REQUIREMENTS

J09	Mixed occupancies	91-101/15-1.2.3 <u>UBC Appendix Chap. 3 Section 318</u>	Mixed occupancies in the same building which present a distinct hazard to the safety of the residents of the detention facility shall be separated by wall construction having a fire resistance rating of at least 2 hours and doors with a 90 minute fire resistive rating.
J10	Areas non-incidental to housing	91-101/15-3.2.1 <u>UBC Appendix Chap. 3 Section 318</u>	Areas non-incidental to housing such as sally ports, or areas storing flammable or combustible liquids shall be provided with: 1) A two hour fire barrier separation with 90 minute rated door, with self or automatic closing and positive latching, or 2) A secured vestibule automatic sprinkler protection.
J11	Automatic sprinklers	91-101/15-3.5.3 <u>UBC Appendix Chap. 3 Section 321</u>	When provided , the automatic sprinkler system shall be interconnected to the fire alarm system and be fully supervised. See Fire Fact 005, 006, 007, 045

FLOOR – EXITING REQUIREMENTS

J12	Emergency Lighting	91-101/15-2.9 <u>UBC 1003.2.9.1</u> <u>UBC Appendix Chap. 3 Section 320</u>	Emergency lighting shall be provided in all means of egress and emergency generator rooms. There shall be no more than a 10- second delay in its actuation from loss of power. See Fire Fact 005, 006, 007, 024
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JAILS AND DETENTION CHECKLIST – 06J

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J13	Emergency lighting testing (Each Kansas Dept. of Corrections facility shall have documented KSFM approval for procedure.)	91-101/15-2.9 Exception (Duration) <u>UBC 1003.2.8.5</u>	An annual test shall be conducted for a 60 minute (1-hour) duration. Equipment shall be fully operational for the duration of the tests. Written records shall be maintained by the owner and kept on site for verification by authorized representative of the Kansas State Fire Marshal's Office. See Fire Fact 005, 006, 007, 024
J14	Smoke compartments	91-101/15-3.7.1 <u>UBC Appendix Chap. 3 Section 317</u>	At least two smoke compartments are required when 50 or more residents are housed, with no more than 200 residents in a smoke compartment. Smoke compartmentation shall be created by either: 1. Doors and mechanical openings capable of resisting the passage of smoke with door closers and smoke dampers, or 2. A combination of construction and mechanical ventilation to control the passage of smoke from one occupied area into another, or 3. By passing through an area outside the building walls to get to another portion of the building for safety of the occupants.
J15	Smoke compartments exits	91-101/15-2.4.2	Each fire or smoke compartment shall have two remote exits. Occupants shall not be required to exit through the compartment of fire origin.
J16	Horizontal exits barrier requirements	91-101/15-2.2.5 <u>UBC 1005.3.5.2</u>	Horizontal exits provide a 2-hour fire barrier with 90-minute rated door and opening assemblies. (Horizontal exits provide an alternative means of escape for occupants in areas where it is impractical to quickly evacuate the building.)
J17	Horizontal exits space requirements	91-101/15-2.2.5 <u>UBC 1005.3.5.4</u>	Horizontal exits shall provide at least 6 square feet of space per occupant on each side of the fire barrier.
J18	Horizontal exits as only exits	91-101/15-2.2.5 <u>UBC 1005.3.5.4</u>	Horizontal exits may serve as 100% of the exiting if a second exit is available for direct exit without passing through the compartment of fire origin.
J19	Duct penetrations of horizontal exits	91-101/15-2.2.5 <u>UBC 1005.3.5.3</u>	Horizontal exit barrier walls may have duct penetrations but must be equipped with fire and smoke dampers.
J20	Exit arrangement	91-101/15-2.5.1 <u>UBC Appendix Chap. 3 Section 324</u>	Every sleeping room shall have a door leading directly to an exit access corridor, except if the room has an exit directly to the outside at ground level, or the sleeping room exits into a dayroom which has direct exiting.

JAILS AND DETENTION CHECKLIST – 06J

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J21	Unprotected stairs permissible	91-101/15-3.1.2 <u>UBC Appendix Chap. 3 Section 316</u>	Unprotected stairs are permitted in multi-tiered open cellblock when maximum distance between floors is limited to 15 feet.
J22	Fire escapes	91-101/15-2.2.8	Fire escapes shall not constitute more than 50% of the required exiting. See Fire Fact 017
J23	Mechanically operated doors	91-101/15-2.11.7(b) <u>UBC Appendix Chap. 3 Section 324.6</u>	Mechanically operated sliding doors or mechanically operated locks shall be provided with a manual mechanical means (lever or keys to open) at each door to release and open the door.
J24	Shared exit ways with other occupancies	91-101/5-2.1.5.1	Doors leading to floor or exterior exits shared by detention and other occupancies must have door hardware which permits exit by those not restricted by security measures. See Fire Fact 014
J25	Maximum travel distance	91-101/15-2.6.1 <u>UBC 1007.5.2</u>	The maximum travel distance to an exit shall be: <ol style="list-style-type: none"> 100 ft. between any room door and the exit door or smoke barrier, and 150 ft. from and point in a room to exit door or smoke barrier, and 50 ft. from any point in a sleeping room to the door of that room. EXCEPTION: If protected by automatic sprinklers travel distance may be increased 50 ft.
J26	Common path of travel	91-101/15-2.5.3	The common path of travel shall not exceed 50 feet, and 100 feet in a fully sprinkled building.
J27	Finishes – flame spread	91-101/15-3.3.1 91-101/31-5.4.1 (curtains) 91-101/31-5.4.3 (mattresses) <u>UBC 804</u>	See interior finish requirements General Checklist 06-71. See Fire Fact 022

JAILS AND DETENTION CHECKLIST – 06J

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FLOOR – NOTIFICATION REQUIREMENTS			
J28	Fire alarm system	91-101/15-3.4.1 91-101/7-6.3.5 <u>UFC 1007.2.7.2.3</u>	The fire alarm system may lock manual pull stations if attendants carry keys to unlock in emergency. Keys must be readily identifiable by sight/touch by staff.
FLOOR – DETECTION REQUIREMENTS			
J29	Smoke detection	91-101/15-3.4.4 <u>UBC 308.10</u>	Automatic smoke detection shall be powered by the buildings electrical service and equipped with a secondary power source. See Fire Fact 005, 006, 007, 031, 036
J30	Smoke detector locations	91-101/15-3.4.4 <u>UFC 1007.2.7.2.4</u>	Automatic smoke detection shall be provided in all residential housing areas, including every sleeping room. EXCEPTIONS: a) Smoke detectors are permitted to be located behind return air grills in room or areas in order to secure equipment from residents. b) When the facility is fully sprinkled, smoke detectors are permitted to be located only in common spaces and rooms with over four occupants. See Fire Facts 005, 006, 007, 031, 036
FLOOR – SEPARATION/SUPPRESSION REQUIREMENTS			
J31	Hazardous room/uses	91-101/15-3.2.1	Padded cells shall be separated from other rooms by a 1-hour fire resistive barrier and automatic sprinkler protection. See Fire Facts 040, 045
J32	Standpipes and hose systems in sprinkled buildings	91-101/15-3.5.5 <u>UBC Appendix Chap. 3</u> <u>Section 321.3</u>	Sprinkled buildings used exclusively for detention with 3 or more stories or tiers shall have a Class I standpipe system for use by trained fire fighters with: 1) Connections for 2 ½" hose, and 2) No hose requirement, and 3) Wet or dry supply piping. See Fire Fact 046

JAILS AND DETENTION CHECKLIST – 06J

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J33	Standpipes and hose systems in non-sprinkled buildings	91-101/15-3.5.5	Non-sprinkled buildings used exclusively for detention with 3 or more stories or tiers shall have a Class III standpipe system which will provide equipment for both fire fighters and occupants with: <ol style="list-style-type: none"> 1) Connections for both 1 ½" & 2 ½" hose, and 2) 1 ½ " hose provided, and 3) Wet supply piping. See Fire Fact 046
J34	Vertical opening protection	91-101/6-2.4.4 <u>UBC 308.2.2.2</u>	Each building floor shall be constructed as a smoke barrier (ducts do not require smoke dampers). Vertical openings around pipes or ducts shall be sealed with non-combustible materials.
J35	Combustible materials	91-101/15-3.2 (hazards) 91-101/31-5.2 (book storage) <u>UFC 1103.2.4.1</u>	Trash collected in or around cell areas shall utilize metal or listed non-combustible containers and shall be emptied regularly. Combustibles shall be stored in metal cabinets.
J36	Utilities	90-70/240-4	Temporary wiring shall not be used in lieu of permanent wiring. EXCEPTION: Electrical outlets outside the reach of the residents but within the length of the appliance cord or an extension cord listed and labeled by a recognized testing organization (such as UL) used in accordance to its listing.
J37	Space heaters	91-101/15-5.2.2	Portable space heating devices are prohibited.
JUVENILE DETENTION BUILDING REQUIREMENTS			
J38	Juvenile detention fire drills	K.A.R. 22-15-7(q)	Quarterly fire drills for staff training are required and must be documented. See Fire Fact 005, 028, 029
J39	Juvenile detention facilities construction	K.A.R. 22-15-7(b) 91-101/1-6.2 K.S.A. 31-136 (equivalent construction types)	Approved construction shall be one of the following for single story buildings: <ol style="list-style-type: none"> 1) One hour non-combustible, or 2) When previously approved and documented in writing by the KSFMO <ol style="list-style-type: none"> a) one-hour wood frame construction, fully sprinkled, and limited to 3,900 square feet of detention space, or b) heavy timber construction and fully sprinkled.

